

# Eltex® TUB 433-NA00

## Product Technical Information

Polypropylene – Impact Copolymer

**Eltex® TUB 433-NA00** is a low melt flow rate, long term heat stabilized, high impact copolymer for pipe, blow moulding and sheet extrusion applications. It offers a very good balance stiffness - impact strength (even at low temperature) and excellent processability.

## Applications

- Non-pressure pipes and fittings (for drainage and sewerage, soil & waste,...)
- Sheet extrusion
- Blow moulding

## Benefits and Features

- High impact resistance
- Good rigidity
- Excellent melt strength
- Long term heat stability
- Excellent processability (for solid and structured wall pipes extrusion)

Properties		Test Methods	Values	Units
<b>Physical</b>				
Density		ISO 1183	905	kg/m <sup>3</sup>
Melt Flow Rate	230°C/2.16kg	ISO 1133	0.3	g/10min
<b>Mechanical</b>				
Flexural Modulus <sup>(1)</sup>	@ 23°C	ISO 178	1500	MPa
Calculated E-Modulus <sup>(2)</sup>			1500	MPa
Tensile Test (23°C, 50 mm/min) <sup>(3)</sup>				
Tensile Stress	@Yield	ISO 527-1,-2	28	MPa
Tensile Strain	@Yield	ISO 527-1,-2	9	%
Charpy Impact Strength, Notched <sup>(3)</sup>				
	@ 23°C	ISO 179/1eA	> 50	kJ/m <sup>2</sup>
	@ 0°C	ISO 179/1eA	18	kJ/m <sup>2</sup>
	@ -20°C	ISO 179/1eA	7	kJ/m <sup>2</sup>

<sup>(1)</sup> Measured on 4 mm thick compression moulded specimens (cooling rate = -15°C/min)

<sup>(2)</sup> Calculated from ring stiffness measurements carried out on 110 mm solid wall pipes

<sup>(3)</sup> Measured on 4 mm thick injection moulded specimens



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## Thermal

Melting Point		ASTM D 3417	165	°C
Vicat Softening Temperature	@10 N	ISO 306/A	155	°C
HDT	@0.45 MPa	ISO 75/B	95	°C
Oxidation Induction Time (OIT)	@200°C	EN 728	> 30	min

- Data should not be used for specification work

## Regulatory Information

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